

EXHIBIT

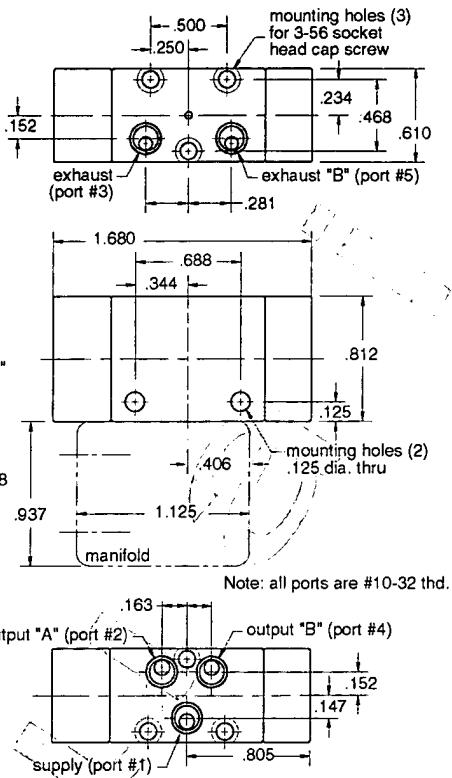
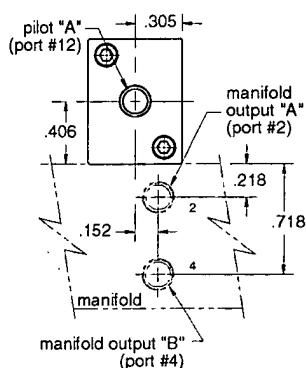
E4 SERIES VALVES



E4-1PS-00-000



Single pneumatic spring



Type: 4-way 2-position spool valve

Medium: air (lubricated or non-lubricated);
moderate vacuum

Flow Rate: *(CV 0.14 9.3 scfm @ 100 psig/
5 scfm @ 50 psig

Vacuum: 25 InHg

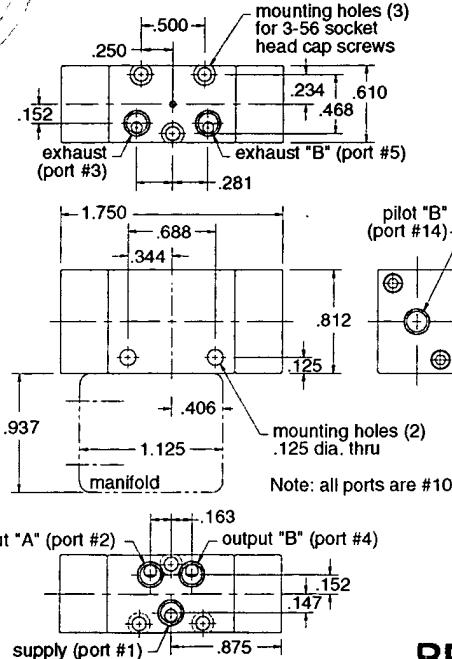
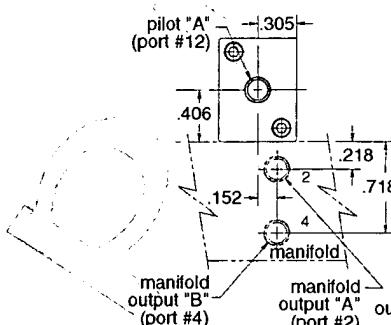
Mounting: There are three mounting holes for 3-56 screws

Ports: Valve body tapped for 10-32 ports
(M5 metric optional)

E4-1PP-00-000



Double pneumatic pilot



Type: 4-way 2-position spool valve

Medium: air (lubricated or non-lubricated);
moderate vacuum

Flow Rate: *(CV 0.14 9.3 scfm @ 100 psig/
5 scfm @ 50 psig

Operating Pressure: 0 to 105 psig

Vacuum: 25 InHg

Mounting: There are three mounting holes for 3-56 screws

Ports: Valve body tapped for 10-32 ports
(M5 metric optional)

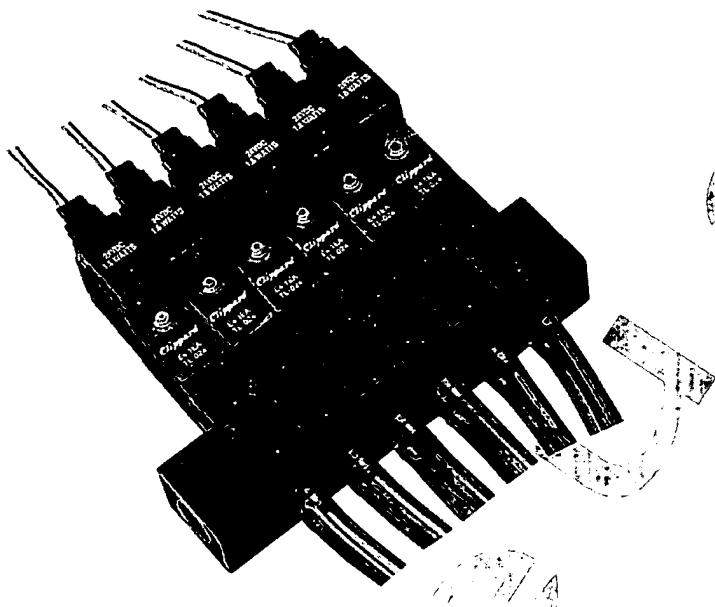
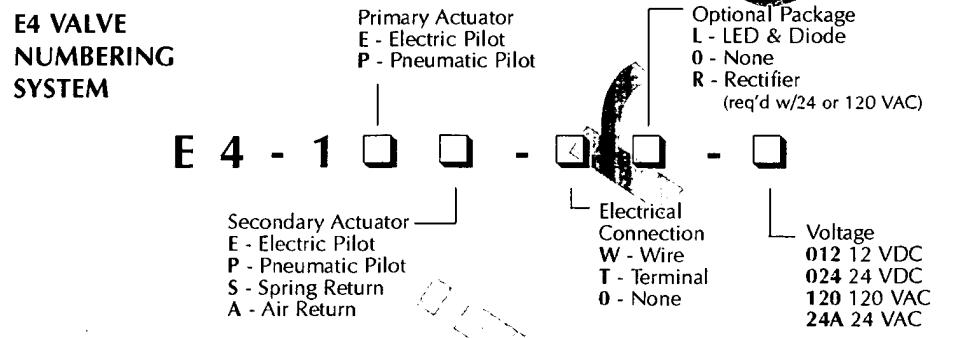
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E4 SERIES VALVES

The entire Clippard compact Eagle valve line has been designed to meet today's fluid power engineering needs. Advanced features have been added to readily meet tomorrow's manufacturing requirements.

E4 VALVE NUMBERING SYSTEM



By connecting a pressure supply greater than 30 psig to the auxiliary pilot supply port, the valve can still be actuated normally, but the main valve supply can range from 150 psig down to zero and into moderate vacuum. The valve can then be used below its normal operating pressure from "vacuum to 105 psig" as long as the pilot operating pressure is above 30 psig. The internal/auxiliary pilot supply feature is standard on every Eagle 4-way valve.

Features

- Made in the USA
- Compact in size, yet with true 10-32 flow: 9 + scfm
- Low power requirement.. a mere 1.4 watts DC, and 1.6 with LED
- M5 metric threads available
- Auxiliary pilot supply port for low pressure applications.
- Balanced spool construction with precision ground molded spool assembly (no o-rings); the spool travels in a specially coated valve body that is tapped 10-32; the valve can be mounted inline or on matching manifolds with matched input and output ports
- Exhaust can be controlled with a needle valve or can be piped away.
- Manual override for solenoids

- Plug-in connector and signal LED, plus "spike" protection; optional electric input through 18" wire leads or plug-in connector only
- 30 models available with 12 or 24 VDC, 24 or 120 VAC piloted; also available with pneumatic pilot operation
- Manifolds for 4, 6, 8, 10, 12 stations; EMC card available

• Special Feature:

A unique feature of the Clippard Eagle valve is the internal/auxiliary pilot that allows the pilot section of valve to be powered by the valves supply pressure (as long as it is above 30 psig) or by an external pressure supply that is above 30 psig. When operated on the internal pressure, the valve operates in the 30 to 105 psig range. The auxiliary pilot supply port remains plugged.

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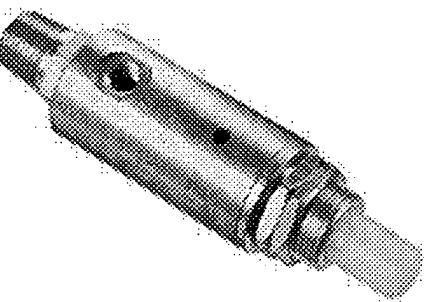
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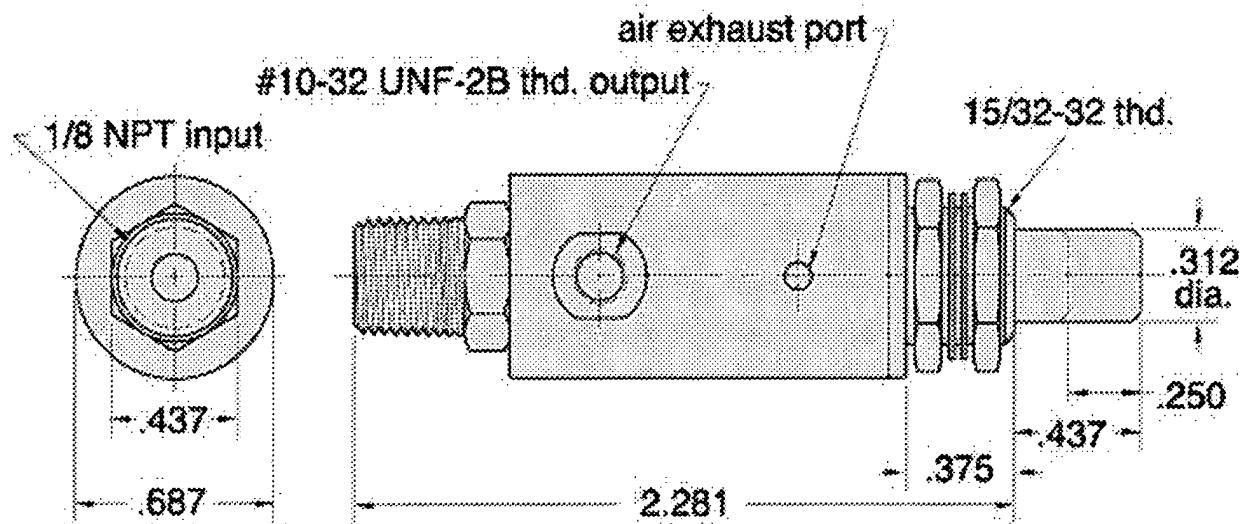
Online Catalog - United States of America

Tuesday, February 21, 2006

Valves: MAR-1CP

Drawings:	• Click to see drawing A
Description 1:	Valves
Description 2:	Regulator, 1/8" Inlet
Max Psi:	100 psig
Temperature Range:	32 to 230 F
Ports:	10-32 Thread
Weight:	0.1600
Stem Travel:	1/4"
Exhaust:	holes to atmosphere
Flow:	5 scfm@ 100 psig
Force:	13 lb. Nominal
Notes:	Increased pressure proportionally as plunger is depressed. When plunger is released output port is exhausted to atmosphere and input port is closed.
Package Quantity:	1
List Price:	\$ 12.35 Dollars per unit
ZIP Code	[REDACTED]
Quantity:	1
Extended Price:	\$ 12.35

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